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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/556,941

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02 DC  
#4  
DATE: 05/08/2000  
TIME: 18:46:52

Input Set: I556941.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

1 <110> APPLICANT: Heichman, Karen  
2 Bartel, Paul L.  
3 Myriad Genetics, Inc.  
4 <120> TITLE OF INVENTION: Protein-Protein Interactions  
5 <130> FILE REFERENCE: Protein Interactions II  
6 <140> CURRENT APPLICATION NUMBER: US/09/556,941  
7 <141> CURRENT FILING DATE: 2000-04-21  
8 <150> EARLIER APPLICATION NUMBER: US 60/130,389  
9 <151> EARLIER FILING DATE: 1999-04-22  
10 <150> EARLIER APPLICATION NUMBER: US 60/140,693  
11 <151> EARLIER FILING DATE: 1999-06-24  
12 <150> EARLIER APPLICATION NUMBER: US 60/156,947  
13 <151> EARLIER FILING DATE: 1999-09-30  
14 <150> EARLIER APPLICATION NUMBER: US 60/163,073  
15 <151> EARLIER FILING DATE: 1999-11-02  
16 <150> EARLIER APPLICATION NUMBER: US 60/168,376  
17 <151> EARLIER FILING DATE: 1999-12-02  
18 <150> EARLIER APPLICATION NUMBER: US 60/168,378  
19 <151> EARLIER FILING DATE: 1999-12-02  
20 <160> NUMBER OF SEQ ID NOS: 10  
21 <170> SOFTWARE: PatentIn Ver. 2.0  
22 <210> SEQ ID NO 1  
23 <211> LENGTH: 40  
24 <212> TYPE: DNA  
25 <213> ORGANISM: Artificial Sequence  
26 <220> FEATURE:  
27 <223> OTHER INFORMATION: Description of Artificial Sequence:tail for PCR  
28 primers  
29 <400> SEQUENCE: 1  
30 gcaggaaaca gctatgacca tacagtcagc ggccgccacc 40  
31 <210> SEQ ID NO 2  
32 <211> LENGTH: 39  
33 <212> TYPE: DNA  
34 <213> ORGANISM: Artificial Sequence  
35 <220> FEATURE:  
36 <223> OTHER INFORMATION: Description of Artificial Sequence:tail for PCR  
37 primers  
38 <400> SEQUENCE: 2  
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40 <210> SEQ ID NO 3  
41 <211> LENGTH: 640  
42 <212> TYPE: DNA  
43 <213> ORGANISM: Homo sapiens  
44 <220> FEATURE:

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45 <221> NAME/KEY: CDS
46 <222> LOCATION: (1)..(639)
47 <400> SEQUENCE: 3
48   cgc cgg tgg atg cgg gct gag ccc tgc ttg ccg gga ccc gcc tgc ccc 48
49   Arg Arg Trp Met Arg Ala Glu Pro Cys Leu Pro Gly Pro Ala Cys Pro
50   1      5      10      15
51   gcc ttc tcc gca cac agc tac acc tcc aac ctg ggc gac tac gat gag 96
52   Ala Phe Ser Ala His Ser Tyr Thr Ser Asn Leu Gly Asp Tyr Asp Glu
53   20      25      30
54   cag gcg ctg ggt atc atg cag acc ctg ggc gtg gac cgg cag agg acg 144
55   Gln Ala Leu Gly Ile Met Gln Thr Leu Gly Val Asp Arg Gln Arg Thr
56   35      40      45
57   gtg gag tca ctg caa aac agc agc tat aac cac ttt gct gcc att tat 192
58   Val Glu Ser Leu Gln Asn Ser Ser Tyr Asn His Phe Ala Ala Ile Tyr
59   50      55      60
60   tac ctc ctc ctt gag cgg ctc aag gag tat cgg aat gcc cag tgc gcc 240
61   Tyr Leu Leu Leu Glu Arg Leu Lys Glu Tyr Arg Asn Ala Gln Cys Ala
62   65      70      75      80
63   cgc ccc ggg cct gcc agg cag ccg cgg cct cgg agc tcg gac ctc agt 288
64   Arg Pro Gly Pro Ala Arg Gln Pro Arg Pro Arg Ser Ser Asp Leu Ser
65   85      90      95
66   ggt ttg gag gtg cct cag gaa ggt ctt tcc acc gac cct ttc cga cct 336
67   Gly Leu Glu Val Pro Gln Glu Gly Leu Ser Thr Asp Pro Phe Arg Pro
68   100     105     110
69   gcc ttg ctg tgc ccg cag ccg cag acc ttg gtg cag tcc gtc ctc cag 384
70   Ala Leu Leu Cys Pro Gln Pro Gln Thr Leu Val Gln Ser Val Leu Gln
71   115     120     125
72   gcc gag atg gac tgt ggg ctc cag agc tcg ctg cag tgg ccc ttg ttc 432
73   Ala Glu Met Asp Cys Gly Leu Gln Ser Ser Leu Gln Trp Pro Leu Phe
74   130     135     140
75   ttc ccg gtg gat gcc agc tgc agc gga gtg ttc cgg ccc cgg ccc gtg 480
76   Phe Pro Val Asp Ala Ser Cys Ser Gly Val Phe Arg Pro Arg Pro Val
77   145     150     155     160
78   tcc cca agc agc ctg ctg gac aca gcc atc agt gag gag gcc agg cag 528
79   Ser Pro Ser Ser Leu Leu Asp Thr Ala Ile Ser Glu Glu Ala Arg Gln
80   165     170     175
81   ggg ccg ggc cta gag gag gag cag gac acg cag gag tcc ctg ccc agc 576
82   Gly Pro Gly Leu Glu Glu Glu Gln Asp Thr Gln Glu Ser Leu Pro Ser
83   180     185     190
84   agc acg ggc cgg ggg cac acc ctg gcc gag gtc tcc acc cgc ctc tcc 624
85   Ser Thr Gly Arg Gly His Thr Leu Ala Glu Val Ser Thr Arg Leu Ser
86   195     200     205
87   cca ctc acc gcg cca g 640
88   Pro Leu Thr Ala Pro
89   210
90 <210> SEQ ID NO 4
91 <211> LENGTH: 213
92 <212> TYPE: PRT
93 <213> ORGANISM: Homo sapiens
94 <400> SEQUENCE: 4

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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/556,941**

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95   Arg Arg Trp Met Arg Ala Glu Pro Cys Leu Pro Gly Pro Ala Cys Pro
96       1               5               10               15
97   Ala Phe Ser Ala His Ser Tyr Thr Ser Asn Leu Gly Asp Tyr Asp Glu
98               20               25               30
99   Gln Ala Leu Gly Ile Met Gln Thr Leu Gly Val Asp Arg Gln Arg Thr
100          35          40          45
101   Val Glu Ser Leu Gln Asn Ser Ser Tyr Asn His Phe Ala Ala Ile Tyr
102          50          55          60
103   Tyr Leu Leu Leu Glu Arg Leu Lys Glu Tyr Arg Asn Ala Gln Cys Ala
104          65          70          75          80
105   Arg Pro Gly Pro Ala Arg Gln Pro Arg Pro Arg Ser Ser Asp Leu Ser
106               85               90               95
107   Gly Leu Glu Val Pro Gln Glu Gly Leu Ser Thr Asp Pro Phe Arg Pro
108          100          105          110
109   Ala Leu Leu Cys Pro Gln Pro Gln Thr Leu Val Gln Ser Val Leu Gln
110          115          120          125
111   Ala Glu Met Asp Cys Gly Leu Gln Ser Ser Leu Gln Trp Pro Leu Phe
112          130          135          140
113   Phe Pro Val Asp Ala Ser Cys Ser Gly Val Phe Arg Pro Arg Pro Val
114          145          150          155          160
115   Ser Pro Ser Ser Leu Leu Asp Thr Ala Ile Ser Glu Glu Ala Arg Gln
116          165          170          175
117   Gly Pro Gly Leu Glu Glu Glu Gln Asp Thr Gln Glu Ser Leu Pro Ser
118          180          185          190
119   Ser Thr Gly Arg Gly His Thr Leu Ala Glu Val Ser Thr Arg Leu Ser
120          195          200          205
121   Pro Leu Thr Ala Pro
122          210

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123 <210> SEQ ID NO 5
124 <211> LENGTH: 1065
125 <212> TYPE: DNA
126 <213> ORGANISM: Homo sapiens
127 <220> FEATURE:
128 <221> NAME/KEY: CDS
129 <222> LOCATION: (2)..(958)
130 <400> SEQUENCE: 5

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132   Ala Asn Val Asp Val Leu Val Gly Tyr Ala Asp Ile His Gly Asp Leu
133       1               5               10               15
134   cta cct ata aat aat gat gat aat tat cac aaa gct gtt tca acg gcc 97
135   Leu Pro Ile Asn Asn Asp Asp Asn Tyr His Lys Ala Val Ser Thr Ala
136               20               25               30
137   aat cca ctg ctt agg ata ttt ata caa aag aag gaa gaa gca gac tac 145
138   Asn Pro Leu Leu Arg Ile Phe Ile Gln Lys Lys Glu Glu Ala Asp Tyr
139          35          40          45
140   agt gcc ttt ggt aca gac acg cta ata aag aag aag aat gtt tta acc 193
141   Ser Ala Phe Gly Thr Asp Thr Leu Ile Lys Lys Lys Asn Val Leu Thr
142          50          55          60
143   aac gta ttg cgt cct gac aac cat aga aaa aag cca cat ata gtc att 241
144   Asn Val Leu Arg Pro Asp Asn His Arg Lys Lys Pro His Ile Val Ile

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**RAW SEQUENCE LISTING**  
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Input Set: I556941.RAW

145	65	70	75	80	
146	agt atg ccc caa gac ttt aga cct gtg tct tct att ata gac gtg gat	289			
147	Ser Met Pro Gln Asp Phe Arg Pro Val Ser Ser Ile Ile Asp Val Asp				
148	85	90	95		
149	att ctc cca gaa acg cat cgt agg gta cgt ctt tac aaa tac ggc acg	337			
150	Ile Leu Pro Glu Thr His Arg Arg Val Arg Leu Tyr Lys Tyr Gly Thr				
151	100	105	110		
152	gag aaa ccc cta gga ttc tac atc cgg gat ggc tcc agt gtc agg gta	385			
153	Glu Lys Pro Leu Gly Phe Tyr Ile Arg Asp Gly Ser Ser Val Arg Val				
154	115	120	125		
155	aca cca cat ggc tta gaa aag gtt cca ggg atc ttt ata tcc agg ctt	433			
156	Thr Pro His Gly Leu Glu Lys Val Pro Gly Ile Phe Ile Ser Arg Leu				
157	130	135	140		
158	gtc cca gga ggt ctg gct caa agt aca gga cta tta gct gtt aat gat	481			
159	Val Pro Gly Gly Leu Ala Gln Ser Thr Gly Leu Leu Ala Val Asn Asp				
160	145	150	155	160	
161	gaa gtt tta gaa gtt aat ggc ata gaa gtt tca ggg aag agc ctt gat	529			
162	Glu Val Leu Glu Val Asn Gly Ile Glu Val Ser Gly Lys Ser Leu Asp				
163	165	170	175		
164	caa gta aca gac atg atg att gca aat agc cgt aac ctc atc ata aca	577			
165	Gln Val Thr Asp Met Met Ile Ala Asn Ser Arg Asn Leu Ile Ile Thr				
166	180	185	190		
167	gtg aga ccg gca aac cag agg aat aat gtt gtg agg aac agt cgg act	625			
168	Val Arg Pro Ala Asn Gln Arg Asn Asn Val Val Arg Asn Ser Arg Thr				
169	195	200	205		
170	tct ggc agt tcc ggt cag tct act gat aac agc ctt ctt ggc tac cca	673			
171	Ser Gly Ser Ser Gly Gln Ser Thr Asp Asn Ser Leu Leu Gly Tyr Pro				
172	210	215	220		
173	cag cag att gaa cca agc ttt gag cca gag gat gaa gac agc gaa gaa	721			
174	Gln Gln Ile Glu Pro Ser Phe Glu Pro Glu Asp Glu Asp Ser Glu Glu				
175	225	230	235	240	
176	gat gac att atc att gaa gac aat gga gtg cca cag cag att cca aaa	769			
177	Asp Asp Ile Ile Ile Glu Asp Asn Gly Val Pro Gln Gln Ile Pro Lys				
178	245	250	255		
179	gct gtt cct aat act gag agc ctg gag tca tta aca cag ata gag cta	817			
180	Ala Val Pro Asn Thr Glu Ser Leu Glu Ser Leu Thr Gln Ile Glu Leu				
181	260	265	270		
182	agc ttt gag tct gga cag aat ggc ttt att ccc tct aat gaa gtg agc	865			
183	Ser Phe Glu Ser Gly Gln Asn Gly Phe Ile Pro Ser Asn Glu Val Ser				
184	275	280	285		
185	tta gca gcc ata gca agc agc tca aac acg gaa ttt gaa aca cat gct	913			
186	Leu Ala Ala Ile Ala Ser Ser Ser Asn Thr Glu Phe Glu Thr His Ala				
187	290	295	300		
188	cca gat caa aaa ctc tta gaa gaa gat gga aca atc ata aca tta	958			
189	Pro Asp Gln Lys Leu Leu Glu Glu Asp Gly Thr Ile Ile Thr Leu				
190	305	310	315		
191	tgaaaccgtg gtttgaatgt tttcagagtg aggatgccat gaggacttgt acatttggct	1018			
192	agtttaggcc aatgttgacg ttttggtagg ctatgcagac atccatg	1065			
193	<210> SEQ ID NO 6				
194	<211> LENGTH: 319				

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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/556,941**

 DATE: 05/08/2000  
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Input Set: I556941.RAW

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195 <212> TYPE: PRT
196 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 6
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200   Leu Pro Ile Asn Asn Asp Asp Asn Tyr His Lys Ala Val Ser Thr Ala
201             20             25             30
202   Asn Pro Leu Leu Arg Ile Phe Ile Gln Lys Lys Glu Glu Ala Asp Tyr
203             35             40             45
204   Ser Ala Phe Gly Thr Asp Thr Leu Ile Lys Lys Lys Asn Val Leu Thr
205             50             55             60
206   Asn Val Leu Arg Pro Asp Asn His Arg Lys Lys Pro His Ile Val Ile
207             65             70             75             80
208   Ser Met Pro Gln Asp Phe Arg Pro Val Ser Ser Ile Ile Asp Val Asp
209             85             90             95
210   Ile Leu Pro Glu Thr His Arg Arg Val Arg Leu Tyr Lys Tyr Gly Thr
211             100            105            110
212   Glu Lys Pro Leu Gly Phe Tyr Ile Arg Asp Gly Ser Ser Val Arg Val
213             115            120            125
214   Thr Pro His Gly Leu Glu Lys Val Pro Gly Ile Phe Ile Ser Arg Leu
215             130            135            140
216   Val Pro Gly Gly Leu Ala Gln Ser Thr Gly Leu Leu Ala Val Asn Asp
217             145            150            155            160
218   Glu Val Leu Glu Val Asn Gly Ile Glu Val Ser Gly Lys Ser Leu Asp
219             165            170            175
220   Gln Val Thr Asp Met Met Ile Ala Asn Ser Arg Asn Leu Ile Ile Thr
221             180            185            190
222   Val Arg Pro Ala Asn Gln Arg Asn Asn Val Val Arg Asn Ser Arg Thr
223             195            200            205
224   Ser Gly Ser Ser Gly Gln Ser Thr Asp Asn Ser Leu Leu Gly Tyr Pro
225             210            215            220
226   Gln Gln Ile Glu Pro Ser Phe Glu Pro Glu Asp Glu Asp Ser Glu Glu
227             225            230            235            240
228   Asp Asp Ile Ile Ile Glu Asp Asn Gly Val Pro Gln Gln Ile Pro Lys
229             245            250            255
230   Ala Val Pro Asn Thr Glu Ser Leu Glu Ser Leu Thr Gln Ile Glu Leu
231             260            265            270
232   Ser Phe Glu Ser Gly Gln Asn Gly Phe Ile Pro Ser Asn Glu Val Ser
233             275            280            285
234   Leu Ala Ala Ile Ala Ser Ser Ser Asn Thr Glu Phe Glu Thr His Ala
235             290            295            300
236   Pro Asp Gln Lys Leu Leu Glu Glu Asp Gly Thr Ile Ile Thr Leu
237             305            310            315
238 <210> SEQ ID NO 7
239 <211> LENGTH: 861
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapiens
242 <220> FEATURE:
243 <221> NAME/KEY: CDS
244 <222> LOCATION: (1)..(861)

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Input Set: I556941.RAW

Line ? Error/Warning

Original Text

317 W "N" or "Xaa" used: Feature required

Gln Glu Asn Gln Trp Leu Arg Glu Glu Leu P

321 W "N" or "Xaa" used: Feature required

His Leu Leu Phe Met Xaa Gln Ile Arg Ser T